

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051923\
 Data File : VY013813.D
 Acq On : 19 May 2023 11:31
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/22/2023
 Supervised By :Mahesh Dadoda 05/22/2023

Quant Time: May 22 04:04:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	269387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	406341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	365838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	180438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	152837	48.839	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.680%		
35) Dibromofluoromethane	7.722	113	132897	51.003	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.000%		
50) Toluene-d8	10.179	98	500814	50.697	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.400%		
62) 4-Bromofluorobenzene	12.483	95	168172	51.253	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	105834	54.718	ug/l	98
3) Chloromethane	2.113	50	126228	43.047	ug/l	97
4) Vinyl Chloride	2.253	62	133667	45.651	ug/l	98
5) Bromomethane	2.656	94	93242	35.912	ug/l	99
6) Chloroethane	2.796	64	84957	42.213	ug/l	98
7) Trichlorofluoromethane	3.131	101	232785	54.625	ug/l	99
8) Diethyl Ether	3.534	74	73493	51.540	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.906	101	128422	51.491	ug/l	98
10) Methyl Iodide	4.095	142	145624	53.145	ug/l	96
11) Tert butyl alcohol	4.966	59	66623	262.801	ug/l	97
12) 1,1-Dichloroethene	3.875	96	117449	51.954	ug/l	95
13) Acrolein	3.735	56	102553	226.443	ug/l	99
14) Allyl chloride	4.485	41	212438	47.704	ug/l	96
15) Acrylonitrile	5.168	53	191658	229.192	ug/l	99
16) Acetone	3.954	43	238794	252.920	ug/l	99
17) Carbon Disulfide	4.198	76	306913	47.246	ug/l	100
18) Methyl Acetate	4.485	43	143932	43.727	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	345060	50.310	ug/l	99
20) Methylene Chloride	4.716	84	148614	52.521	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	128217	50.370	ug/l	93
22) Diisopropyl ether	6.119	45	451780	47.694	ug/l	99
23) Vinyl Acetate	6.064	43	1303641	237.828	ug/l	97
24) 1,1-Dichloroethane	6.015	63	250935	48.459	ug/l	99
25) 2-Butanone	6.984	43	282625	230.274	ug/l	98
26) 2,2-Dichloropropane	6.984	77	235179	53.170	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	151520	50.516	ug/l	99
28) Bromochloromethane	7.338	49	76975	42.485	ug/l	88
29) Tetrahydrofuran	7.350	42	162068	220.688	ug/l	96
30) Chloroform	7.502	83	266409	51.054	ug/l	99
31) Cyclohexane	7.789	56	199724	44.514	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	239737	53.822	ug/l	98
36) 1,1-Dichloropropene	7.917	75	189923	52.753	ug/l	99
37) Ethyl Acetate	7.076	43	113417	45.797	ug/l	99
38) Carbon Tetrachloride	7.899	117	216959	57.123	ug/l	98
39) Methylcyclohexane	9.185	83	210757	51.504	ug/l	97
40) Benzene	8.161	78	541192	51.727	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	58229m	47.315	ug/l	
42) 1,2-Dichloroethane	8.240	62	181539	53.703	ug/l	99
43) Isopropyl Acetate	8.271	43	212178	47.203	ug/l	97
44) Trichloroethene	8.941	130	144431	52.808	ug/l	99
45) 1,2-Dichloropropane	9.216	63	142378	49.523	ug/l	98
46) Dibromomethane	9.307	93	81115	50.377	ug/l	98
47) Bromodichloromethane	9.496	83	200914	52.689	ug/l	97
48) Methyl methacrylate	9.295	41	98942	47.919	ug/l	96
49) 1,4-Dioxane	9.301	88	18522	937.271	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	585181	233.782	ug/l	99
52) Toluene	10.246	92	334341	52.713	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	206515	52.527	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	227531	51.869	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	110972	50.673	ug/l	98
56) Ethyl methacrylate	10.508	69	152985	52.347	ug/l	98
57) 1,3-Dichloropropane	10.788	76	188217	49.957	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	228699	215.994	ug/l	95
59) 2-Hexanone	10.831	43	432923	243.317	ug/l	100
60) Dibromochloromethane	10.984	129	142436	53.677	ug/l	100
61) 1,2-Dibromoethane	11.087	107	104515	50.611	ug/l	98
64) Tetrachloroethene	10.721	164	122996	52.998	ug/l	97
65) Chlorobenzene	11.514	112	363478	52.492	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	144328	53.642	ug/l	98
67) Ethyl Benzene	11.593	91	662113	53.810	ug/l	99
68) m/p-Xylenes	11.703	106	500057	108.504	ug/l	99
69) o-Xylene	12.032	106	235355	53.684	ug/l	98
70) Styrene	12.044	104	406356	54.573	ug/l	99
71) Bromoform	12.209	173	96292	54.173	ug/l #	97
73) Isopropylbenzene	12.331	105	638786	52.293	ug/l	99
74) N-amyl acetate	12.142	43	192160	46.355	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	136040	47.011	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	101921m	46.672	ug/l	
77) Bromobenzene	12.611	156	155483	52.764	ug/l	94
78) n-propylbenzene	12.672	91	792501	52.666	ug/l	98
79) 2-Chlorotoluene	12.758	91	441277	51.961	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	536509	53.863	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	46229	47.131	ug/l	94
82) 4-Chlorotoluene	12.855	91	460412	52.045	ug/l	98
83) tert-Butylbenzene	13.075	119	464565	53.558	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	530470	54.337	ug/l	100
85) sec-Butylbenzene	13.251	105	695558	53.146	ug/l	100
86) p-Isopropyltoluene	13.367	119	572627	54.184	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	301766	52.603	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	300126	52.030	ug/l	99
89) n-Butylbenzene	13.696	91	549526	53.037	ug/l	99
90) Hexachloroethane	13.965	117	114091	51.087	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	273967	53.631	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23655	50.450	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	169834	56.025	ug/l	99
94) Hexachlorobutadiene	15.111	225	104412	55.445	ug/l	99
95) Naphthalene	15.239	128	330516	54.934	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	151173	55.427	ug/l	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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